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## NOTICE OF ALLOWANCE AND FEE(S) DUE

21186 7590 67/23/2008 SCHWEGMAN, LUNDBERG & WOESSNER, P.A. P.O. BOX 2938 EXAMINER

IM, JUNGHWA M

ART UNIT PAPER NUMBER

2811 DATE MAILED: 07/23/2008

P.O. BOX 2938 MINNEAPOLIS, MN 55402

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/748,565	12/30/2003	Bryan M. White	884.864US1	8030

TITLE OF INVENTION: THERMAL INTERMEDIATE APPARATUS, SYSTEMS, AND METHODS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	10/23/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1:313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

# Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correcte maintenance fee notifical	ed below or directed oth	ng the Patent, advance on nerwise in Block 1, by (a	rders and notification a) specifying a new c	of m	aintenance fees woondence address;	ill be and/or	mailed to the current r (b) indicating a sepa	corresponder (F	ondence address as EE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
21186 7590 07/23/2008 SCHWEGMAN, LUNDBERG & WOESSNER, P.A. P.O. BOX 2938 MINNEAPOLIS, MN 55402			Α.	Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the States Postal Service with sufficient postage for first class mail in an er addressed to the Mail Stop ISSUE FEE address above, or being fa transmitted to the USFIO (571) 273-2885, on the date indicated below.				ited with the United mail in an envelope or being facsimile icated below.	
									(Depositor's name)
									(Signature)
				L					(Date)
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10/748,565 TITLE OF INVENTION	12/30/2003 THERMAL INTERMI	EDIATE APPARATUS, S	Bryan M. White SYSTEMS, AND ME		os		884.864US1		8030
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EXAM	INER	ART UNIT	CLASS-SUBCLASS	S					
IM, JUNGHWA M 281I 438-122000									
Change of correspondence address or indication of "Fee Address" (37 CFR 1.5%)   Change of correspondence address (or Change of Correspondence Address from P10/SPI/22) stated on the Address from P10/SPI/27) stated on the P10/SPI/27 stated on the			2. For printing on the patent front page, list  (1) the aimse of up to 3 registered patent attorneys or agents OR, alternatively,  (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agent. In on name is  listed, no name will be printed.						
PLEASE NOTE: Uni recordation as set forti (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	ified below, no assignee pletion of this form is NO	data will appear on t T a substitute for filin (B) RESIDENCE: (C	he pa g an a	tent. If an assign assignment. and STATE OR C	OUNT	TRY)		
4a. The following fee(s):  Issue Fee Publication Fee (N	o small entity discount p		b. Payment of Fee(s):  A check is enclose Payment by credi The Director is he overpayment, to l	sed. it card ereby	I. Form PTO-2038	is atta	sched. required fee(s), any de	ficienc	
	s SMALL ENTITY state	as. See 37 CFR 1.27.					ΠΤΥ status. See 37 Cl		
NOTE: The Issue Fee and interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accepte ites Patent and Trademark	d from anyone other to Office.	han th	ie applicant; a regi	stered.	attorney or agent; or th	e assig	nce or other party in
Authorized Signature Date									
Typed or printed name					Registration N				
This collection of inform an application. Confident submitting the complete this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this but firginia 22313-1450. DC 13-1450.	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR	on is required to obtain 1.14. This collection is depending upon the e Chief Information C COMPLETED FORM	n or re is esti indivi Office IS TC	etain a benefit by t mated to take 12 i dual case. Any co r, U.S. Patent and THIS ADDRESS	he pub minuter mment Trader i. SEN	lic which is to file (and s to complete, includin is on the amount of tir nark Office, U.S. Dep D TO: Commissioner	by the g gathe ne you artment for Pate	USPTO to process) ering, preparing, and require to complete of Commerce, P.O. ents, P.O. Box 1450,

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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



## UNITED STATES PATENT AND TRADEMARK OFFICE

#### UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS

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P.O. BOX 2938		•	ART UNIT	PAPER NUMBER		
MINNEAPOLIS, MN 55402			2811			

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 97 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 97 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

## Notice of Allowability

Application No.	Applicant(s)		
10/748,565	WHITE ET AL.		
Examiner	Art Unit		
ILINGHWA M IM	2811		

The MAILING DATE of this communication appears on the All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMeterwith (or previously mailed), a Notice of Allowance (PTOL-85) or other NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. TO the Office or upon petition by the applicant. See 37 CFR 1.313 and MPI.	MAINS) CLOSED in this application. If not included appropriate communication will be mailed in due course. THIS his application is subject to withdrawal from issue at the initia
<ol> <li>This communication is responsive to papers filed 6/24/2008.</li> </ol>	
<ol> <li>The allowed claim(s) is/are <u>22-25</u>.</li> </ol>	
3.	perived.  Delived in Application No  Inave been received in this national stage application from the municipation to file a reply complying with the requirements has application.  The attached EXAMINER'S AMENDMENT or NOTICE OF (s) why the oath or declaration is deficient.  Initiated.  Int Drawing Review ( PTO-948) attached ment / Comment or in the Office action of build be written on the drawings in the front (not the back) of according to 37 CFR 1.121(d).
Attachment(s) 1.  □ Notice of References Cited (PTO-892)	Notice of Informal Patent Application
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary (PTO-413),
□ Information Disclosure Statements (PTO/SB/08),	Paper No./Mail Date 7.
Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit	8. Examiner's Statement of Reasons for Allowance
of Biological Material	9.  Other .
	<del></del>

U.S. Patent and Trademark Office PTOL-37 (Rev. 08-06)

/Lynne Gurley/SPE AU 2811